AUTOMATIC RETURN TURNTABLE

# KD-26R

# SERVICE MANUAL

KENWOOD

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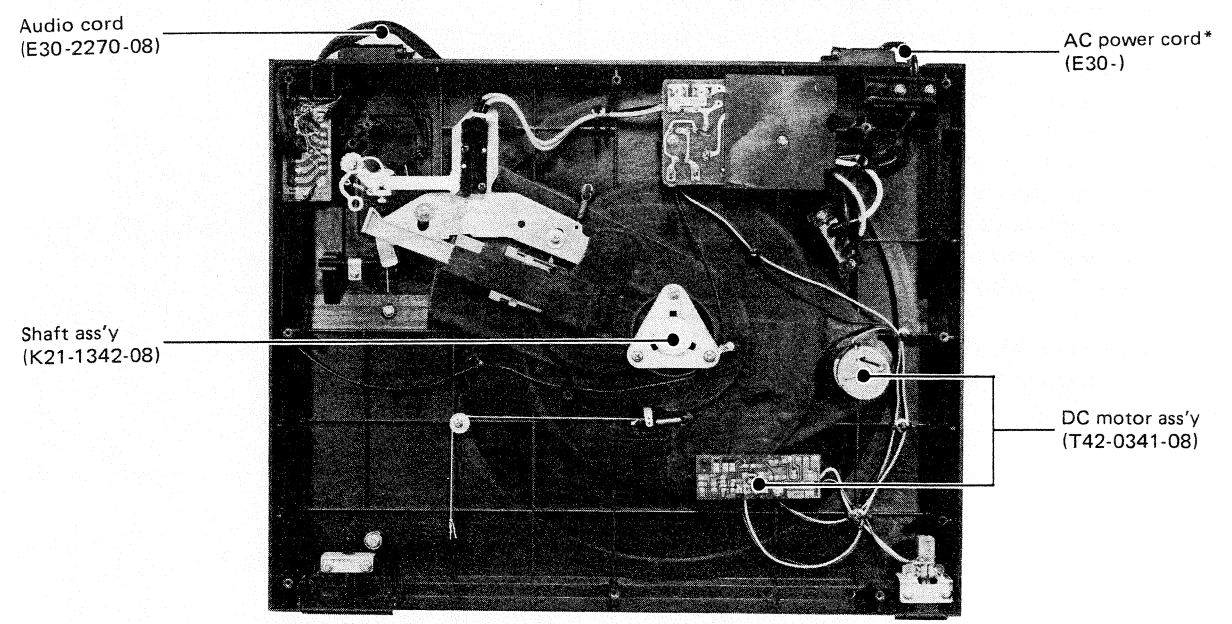



***Refer to parts list on page 6.**
**Photo is KD-26R (Black version)**
**B : Black version**
**S : Silver version**

# ADJUSTMENT/REGLAGE/ABGLEICH

## ADJUSTMENT

**Stylus height adjustment**

(1) Loosen the lifter screw ❶

(2) Adjust the vertical position of the lifter so that the stylus is positioned at an appropriate height (8 m/m).

**Auto-return position adjustment**

(1) Set a screwdriver as shown Fig. 1. Turn it counter-clockwise to shift the auto-return position outward, and vice versa. ❷

(2) When using test record (W05-0036-00), perform the following.

(a) The auto-return mechanism should not operate until the count of 21 is reached on the latter half of the side B.

(b) The auto-return mechanism should operate between the counts of 1 and 4 on the side A.

**Speed adjustment (45 rpm, 33 1/3 rpm)**

(1) Adjust the trimming pot (VR1,2) on the PC board. (Refer to internal view on page 3).

## REGLAGE

**Réglage de la hauteur de pointe de lecture**

(1) D'esserrer la vis de lève-bras ❶

(2) Ajuster la position verticale du lève-bras de façon à ce que la pointe de lecture soit placée sur la hauteur appropirée (8 m/m).

**Réglage de la position de retour automatique**

(1) Placer le tournevis de la manière indiquée Fig. 1. La tourner vers la gauche (sage de la horloge de jeton) afin de centrer la position de retour automatique vers le dehors et vice-versa. ❷

(2) Lorsqu'on utilise le disque d'essai (W05-0036-00) procéder de la façon suivante.

(a) Le méchanisme de retour automatique ne doit pas fonctionner jusq'à ce que le numéro 21 soit atteint sur la dernière partie de la B face.

(b) Le mécanisme de retour automatique doit foncionner entre les numéros 1 et 4 de la A face.

**Réglage de vitesse (45 t, 33 1/3 t)**

(1) Ajuster la résistance trimmer (VR1,2) du circuit imprimé. (Voit page 3).

## ABGLEICH

**Höhe Abgleichen der Nadels**

(1) Die Lifthebelschraube ❶ lösen.

(2) Die senkrechte Position des Lifthebels so justieren, daß sich die Nadel auf der richtigen Höhe befindet (8 m/m)

**Justieren der Position der Rückführautomatik**

(1) Einen Schraubendreher wie Fig. 1 gezeigt einsetzen. Diesen nach links (Weisen der Uhr spielmarkes) drehen, um die Position der Rückführautomatik nach äußere zu verschieben, und umgekehrt ❷

(2) Bei Verwendung der Testplatte (W05-0036-00) wie folgt verfahren.

(a) Die Rückführautomatik sollte erst in Funktion treten, wenn die Zahl 21 auf der zweiten Hälfte der Seite-B erreicht wird.

(b) Auf der Seite-A sollte die Rückführautomatik zwischen den Zahlen 1 und 4 in Funktion treten.

**Abgleichen der Geschwindigkeites (45 rpm, 33 1/3 rpm)**

(1) Den Justierwiderstand (VR1,2) auf der Leiterplatte einstellen. (Siehe seite 3).

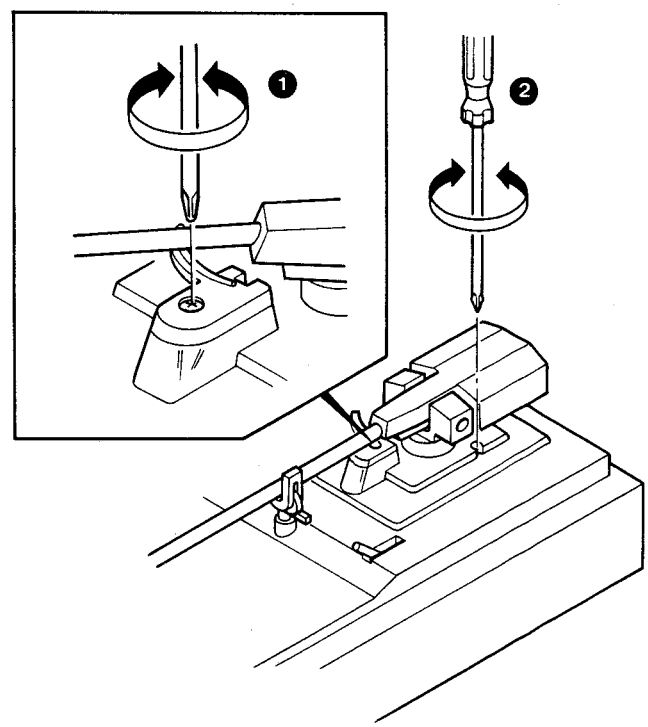
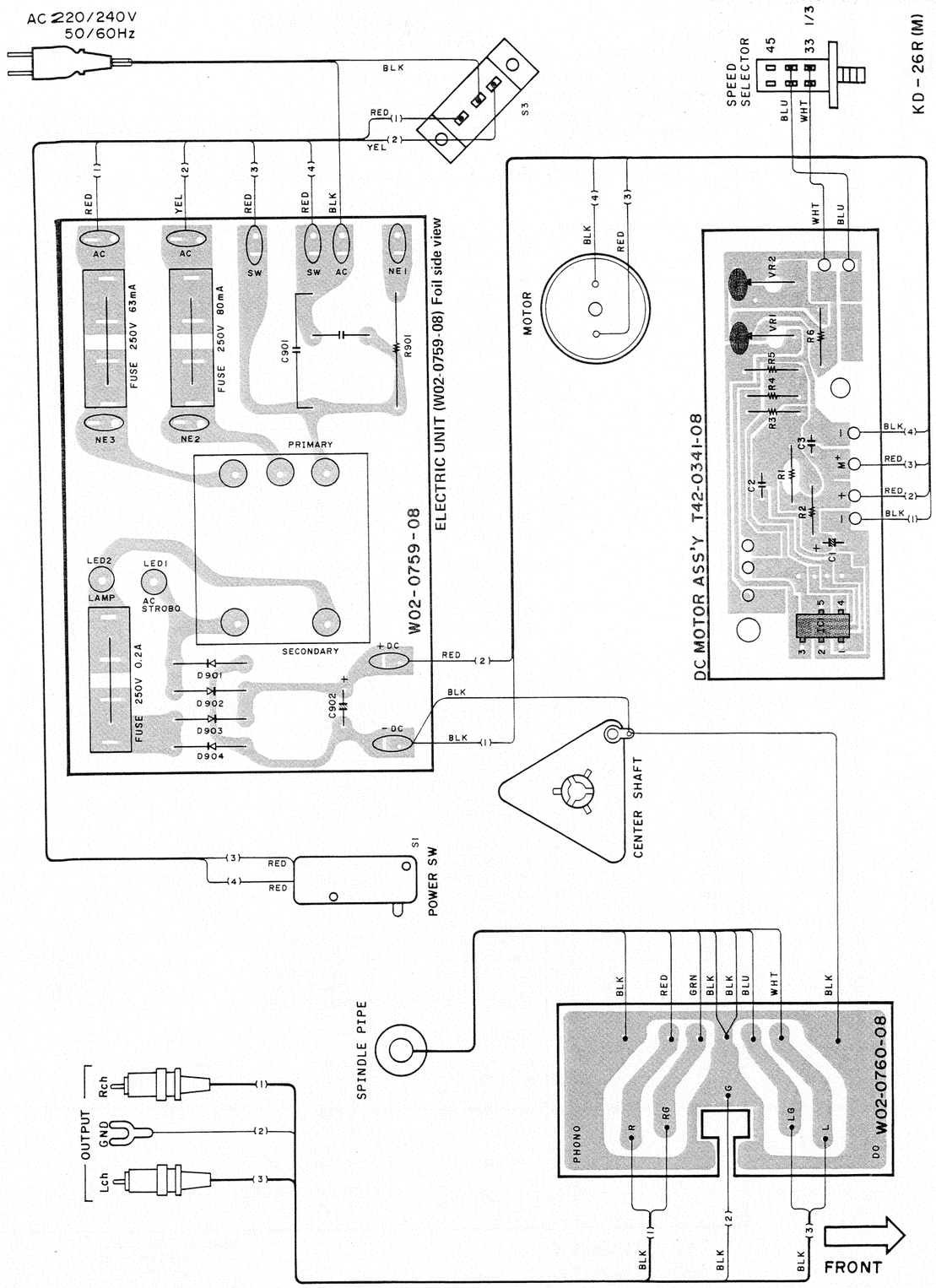
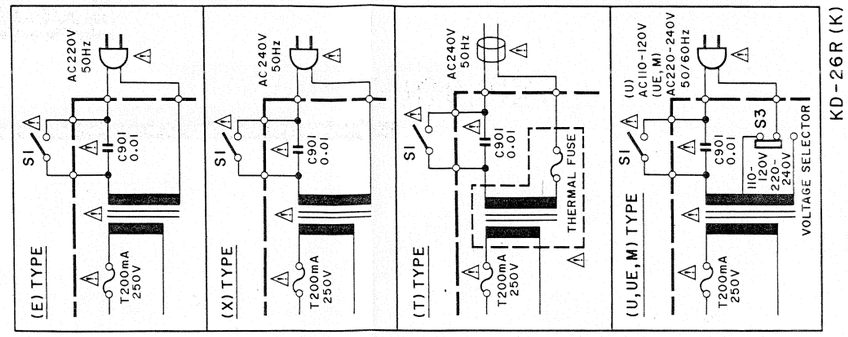


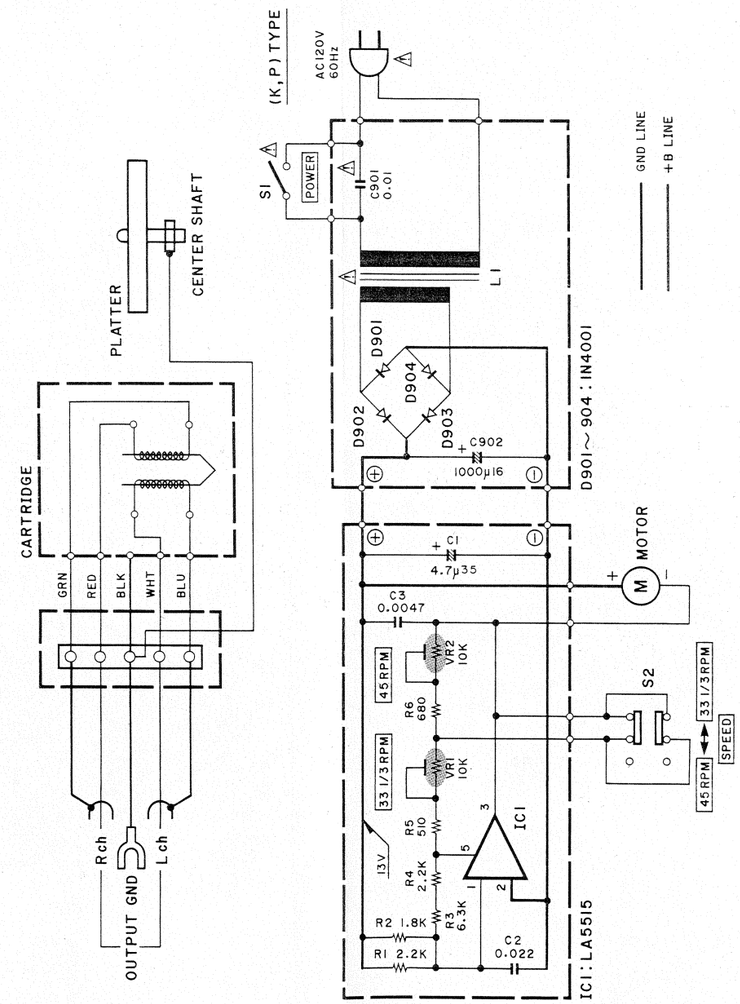

**Fig. 1**

# PC BOARD




Refer to the schematic diagram for the values of resistors and capacitors.




- DC voltages are as measured with a high impedance voltmeter at 33 1/3 r.p.m. mode. Values may vary slightly due to variations between individual instruments or/and units.
- Les tensions c.c doivent être mesurées avec un voltmètre à haute impédance. Près de 33 1/3 r.p.m. en mode du lecture. Les valeurs peuvent différer légèrement du fait dés variations inhérentés aux appareils et aux instruments du mesure individuels.
- Die angegeben Gleichspannungswerte wurden bei 33 1/3 r.p.m. in der Wiedergabe mit einem hochohmigen Voltmeter gemessen. Dabei schwanken die Meßwerte aufgrund von unterschieden zwischen einzelnen instrumenten oder Geräten u.U. geringfügig.

**CAUTION:** For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KD-26R

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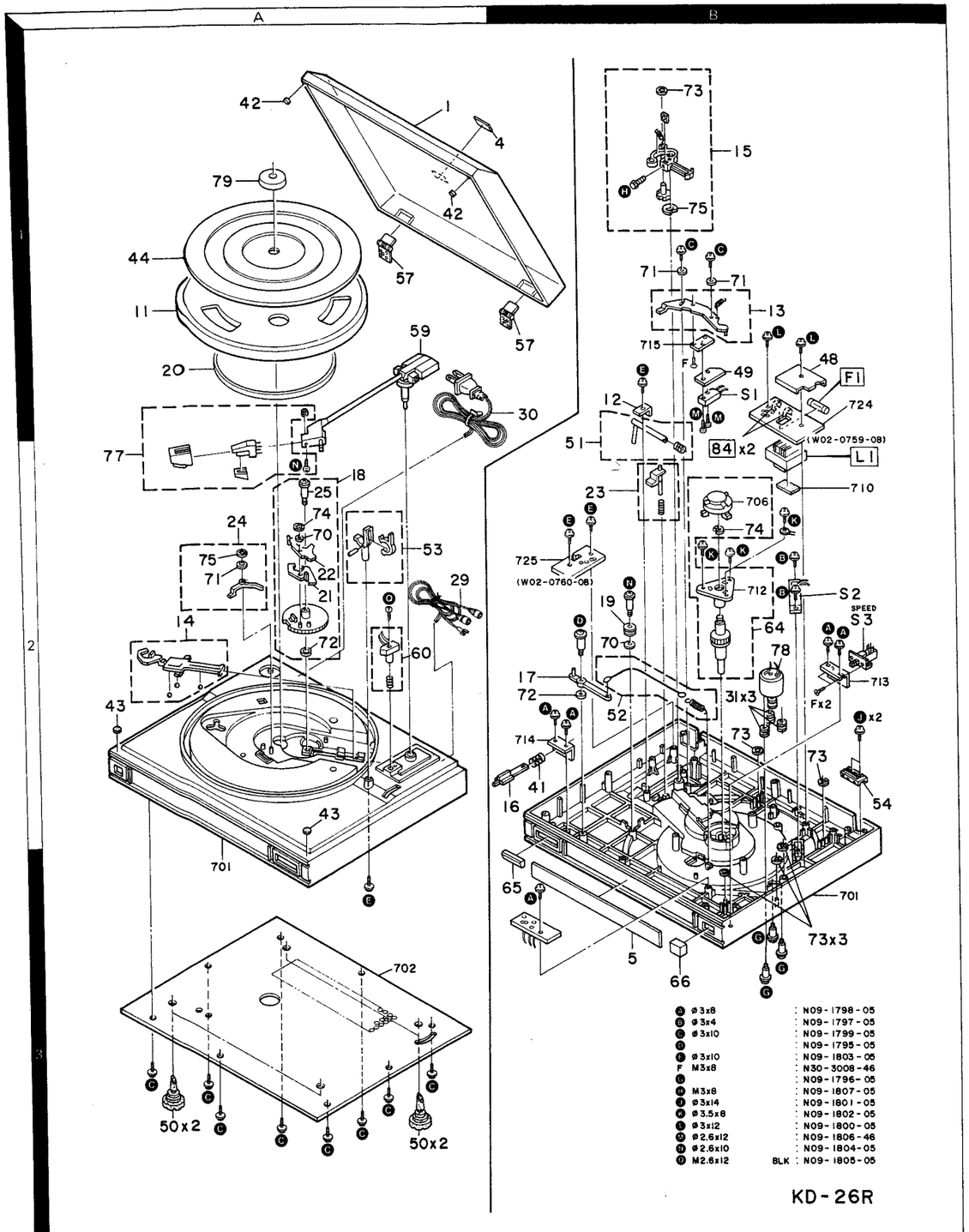
## EXPLODED VIEW




KD-26R

**Parts with the exploded numbers larger than 700 are not supplied.**



## PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Telle ohne **Parts No.** werden nicht geliefert.

| Ref. No. 参照番号 | Address 位置 | New Parts 新 | Parts No. 部品番号 | Description 部品名／規格 | Destination 仕向 | Remarks 備考 |
|---|---|---|---|---|---|---|
| | | | **KD-26R** | | | |
| 1 | 1A | * | A53-0946-08 | DUST COVER | K1K2P | |
| 1 | 1A | * | A53-0946-08 | DUST COVER | MXT1E1 | |
| 4 | 1B | * | B42-2673-08 | LABEL (DUST COVER) | K1K2P | |
| 4 | 1B | * | B42-2673-08 | LABEL (DUST COVER) | MXT1E1 | |
| 5 | 3B | * | B03-2316-08 | DRESSING PLATE | | |
| - | | * | B46-0144-08 | WARRANTY CARD | T1T2 | |
| - | | * | B46-0145-08 | WARRANTY CARD | E1E2 | |
| - | | * | B46-0146-08 | WARRANTY CARD | K1K2K3 | |
| - | | * | B46-0147-08 | WARRANTY CARD | P | |
| - | | * | B46-0148-08 | WARRANTY CARD | UUE | |
| - | | * | B46-0149-08 | WARRANTY CARD | UUE | |
| - | | * | B46-0150-08 | WARRANTY CARD | X | |
| - | | * | B50-6864-00 | INSTRUCTION MANUAL(ENGLISH) | K1K2K3 | |
| - | | * | B50-6864-00 | INSTRUCTION MANUAL(ENGLISH) | UUE | |
| - | | * | B50-6864-00 | INSTRUCTION MANUAL(ENGLISH) | T1T2 | |
| - | | * | B50-6865-00 | INSTRUCTION MANUAL(ENG,FRE) | PX | |
| - | | * | B50-6866-00 | INSTRUCTION MANUAL(E,F,SP) | M | |
| - | | * | B50-6867-00 | INSTRUCTION MANUAL(E,F,G,D,I,S | E1E2 | |
| - | | | B58-0223-04 | CAUTION CARD | U | |
| - | | | B58-0269-04 | CAUTION CARD | K1K2K3 | |
| - | | | B58-0513-04 | CAUTION CARD | UE | |
| - | | | B59-0122-08 | SUB-INSTRUCTION MANUAL | UUE | |
| 11 | 1A | * | D02-0070-08 | TURNTABLE PLATTER | | |
| 12 | 1B | * | D10-1936-08 | LEVER (HOLDER) | | |
| 13 | 1B | * | D10-1937-08 | LEVER ASSY (CONTROL) | | |
| 14 | 2A | * | D10-1938-08 | ARM (ACTUATING ARM) | | |
| 15 | 1B | * | D10-1939-08 | ARM ASSY (FEED) | | |
| 16 | 2B | * | D10-1940-08 | HOLDER (CUT) | | |
| 17 | 2B | * | D10-1941-08 | LEVER (CUT) | | |
| 18 | 2A | * | D13-0614-08 | GEAR | | |
| 19 | 2B | * | D14-0187-08 | ROLLER | | |
| 20 | 1A | * | D16-0159-08 | BELT | | |
| 21 | 2A | * | D19-0090-08 | CLUTCH (GUIDE) | | |
| 22 | 2A | * | D19-0091-08 | CLUTCH (PLATE) | | |
| 23 | 2B | * | D19-0092-08 | CLUTCH (ELEVETOR) | | |
| 24 | 2A | * | D19-0094-08 | CLUTCH (LEVER) | | |
| 25 | 2A | * | D21-1343-08 | SHAFT (GEAR) | | |
| 29 | 2A | * | E30-2270-08 | AUDIO CORD | | |
| ⚠ 30 | 1B | * | E30-2210-08 | AC POWER CORD | K1K2K3 | |
| ⚠ 30 | 1B | * | E30-2210-08 | AC POWER CORD | PUMUE | |
| ⚠ 30 | 1B | * | E30-2211-08 | AC POWER CORD | E1E2 | |
| ⚠ 30 | 1B | * | E30-2212-08 | AC POWER CORD | T1T2 | |
| ⚠ 30 | 1B | * | E30-2213-08 | AC POWER CORD | X | |
| 31 | 2B | * | G11-1220-08 | CUSHION (MOTOR) | | |
| 41 | 2B | * | G01-2052-08 | COMPRESSION SPRING(CUT KNOB) | | |
| 42 | 1A | * | G11-1221-08 | CUSHION (DUST COVER) | K1K2P | |
| 42 | 1A | * | G11-1221-08 | CUSHION (DUST COVER) | MXT1E1 | |
| 43 | 2A | * | G13-0204-08 | CUSHION (CASE) | | |
| 44 | 1A | * | G16-0157-08 | TURNTABLE SHEET | | |
| - | | * | H01-7581-08 | ITEM CARTON CASE | K1PM1 | |
| - | | * | H01-7581-08 | ITEM CARTON CASE | XT1E1 | |

**E**: Scandinavia & Europe **K**: USA **P**: Canada
**U**: PX(Far East, Hawaii) **T**: England **M**: Other Areas
**UE**: AAFES(Europe) **X**: Australia

**Black : KD-26R : K1, P, M1, X, T1, E1**
**KD-26RC : K2**
**KD-26RCL : K3, U, UE, T2, E2**
**Silver : KD-26R(S) : M2**
⚠ indicates safety critical components.

# PARTS LIST

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|---|---|---|---|---|---|---|
| - | | * | H01-7582-08 | ITEM CARTON CASE | K2 | |
| - | | * | H01-7583-08 | ITEM CARTON CASE | K3UUE | |
| - | | * | H01-7583-08 | ITEM CARTON CASE | T2E2 | |
| - | | * | H01-7585-08 | ITEM CARTON CASE | M2 | |
| - | | * | H10-3434-08 | POLYSTYRENE FORMED FIXTURE(L) | K1K2P | |
| - | | * | H10-3434-08 | POLYSTYRENE FORMED FIXTURE(L) | MX | |
| - | | * | H10-3434-08 | POLYSTYRENE FORMED FIXTURE(L) | T1E1E2 | |
| - | | * | H10-3435-08 | POLYSTYRENE FORMED FIXTURE(R) | K1K2P | |
| - | | * | H10-3435-08 | POLYSTYRENE FORMED FIXTURE(R) | MX | |
| - | | * | H10-3435-08 | POLYSTYRENE FORMED FIXTURE(R) | T1E1E2 | |
| - | | * | H10-3436-08 | POLYSTYRENE FORMED FIXTURE(F) | K3UUE | |
| - | | * | H10-3436-08 | POLYSTYRENE FORMED FIXTURE(F) | T2E2 | |
| - | | * | H10-3437-08 | POLYSTYRENE FORMED FIXTURE(R) | K3UUE | |
| - | | * | H10-3437-08 | POLYSTYRENE FORMED FIXTURE(R) | T2E2 | |
| - | | * | H25-0300-08 | PROTECTION BAG(SET) | | |
| - | | * | H25-0301-08 | PROTECTION BAG(INST. MANUAL) | | |
| - | | * | H25-0302-08 | PROTECTION BAG(PLATTER) | | |
| 48 | 1B | * | J02-0198-08 | INSULATION (COVER) | | |
| 49 | 1B | * | J02-0199-08 | INSULATION (SHEET) | | |
| 50 | 3A | * | J02-0200-08 | INSULATOR (FOOT) | | |
| 51 | 2B | * | J19-0093-08 | LIFTER (HANDLE) | | |
| 52 | 2B | * | J60-0012-08 | STRING ASSY | | |
| 53 | 2A | * | J19-2829-08 | TONEARM REST | | |
| 54 | 2B | * | J42-0156-08 | AC CORD BUSH | | |
| 57 | 1A,2A | * | J50-0127-08 | HINGE | K1K2P | |
| 57 | 1A,2A | * | J50-0127-08 | HINGE | MXT1E1 | |
| 59 | 1A | * | J91-0335-08 | TONEARM ASSY | | |
| 60 | 2A | * | J99-0041-08 | TONEARM LIFTER | | |
| 64 | 2B | * | K21-1342-08 | SHAFT ASSY (CENTER) | | |
| 65 | 3B | * | K27-1765-08 | KNOB(BUTTON) CUT | | |
| 65 | 3B | * | K27-1811-08 | KNOB(BUTTON) CUT | | S |
| 66 | 3B | * | K29-1764-08 | KNOB(BUTTON) SPEED | | |
| 66 | 3B | * | K27-1810-08 | KNOB(BUTTON) SPEED | | S |
| 70 | 2B | | N15-1030-46 | FLAT WASHER | | |
| 71 | 2A,1B | * | N19-0585-04 | FLAT WASHER | | |
| 72 | 2A | * | N19-1078-05 | FLAT WASHER | | |
| 73 | 1B,3B | * | N29-0246-05 | WASHER (Ø3)FEED ARM | | |
| 74 | 2A,2B | * | N29-0247-05 | WASHER | | |
| 75 | 1B | * | N29-0248-05 | E TYPE RETAINING RING | | |
| A | 2B | * | N09-1798-05 | SCREW (Ø3X8) | | |
| B | 2B | * | N09-1797-05 | SCREW (Ø3X4) | | |
| C | 3A | * | N09-1799-05 | SCREW (Ø3X10)FOOT) | | |
| D | 2B | * | N09-1795-05 | SCREW | | |
| E | 3A,2B | * | N09-1803-05 | SCREW (Ø3X10) | | |
| G | 3B | * | N09-1796-05 | SCREW (MOTOR SETTING) | | |
| H | 1B | * | N09-1807-05 | SCREW (M3X8) | | |
| J | 2B | * | N09-1801-05 | SCREW (Ø3X14) | | |
| K | 2B | * | N09-1802-05 | SCREW (Ø3.5X8) | | |
| L | 1B | * | N09-1800-05 | SCREW (Ø3X12) | | |
| M | 1B | * | N09-1806-05 | SCREW (Ø2.6X12) | | |
| N | 2A,2B | * | N09-1804-05 | SCREW (Ø2.6X10) | | |
| Q | 2A | * | N09-1805-05 | SCREW (M2.6X12) | | |
| S1 | | * | S50-1040-08 | SENSITIVE SWITCH | XT1T2 | |

E: Scandinavia & Europe K: USA P: Canada
U: PX(Far East, Hawaii) T: England M: Other Areas
UE: AAFES(Europe) X: Australia

**Black : KD-26R : K1, P, M1, X, T1, E1**
**KD-26RC : K2**
**KD-26RCL : K3, U, UE, T2, E2**
**Silver : KD-26R(S) : M2**

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|---|---|---|---|---|---|---|---|
| | S1 | | * | S50-1040-08 | SENSITIVE SWITCH | E1E2 | |
| | S1 | | * | S50-1040-08 | SENSITIVE SWITCH | UMUE | |
| | S1 | 1B | * | S50-1041-08 | SENSITIVE SWITCH | K1K2K3 | |
| | S1 | 1B | * | S50-1041-08 | SENSITIVE SWITCH | P | |
| | S2 | 2B | * | S31-2123-08 | SLIDE SWITCH | UMUE | |
| | S3 | 2B | * | S40-1109-08 | PUSH SWITCH (SPEED) | | |
| | 77 | 2A | * | T21-0140-08 | CARTRIDGE ASSY | K2K3PU | |
| | 77 | 2A | * | T21-0140-08 | CARTRIDGE ASSY | M1M2UE | |
| | 77 | 2A | * | T21-0140-08 | CARTRIDGE ASSY | XT1T2 | |
| | 77 | 2A | * | T21-0140-08 | CARTRIDGE ASSY | E1E2 | |
| | 78 | 2B | * | T42-0341-08 | DC MOTOR ASSY | | |
| | 79 | 1A | * | W01-0147-08 | EP ADAPTOR | | |
| | **ELECTRIC UNIT (W02-0759-08)** | | | | | | |
| ⚠ | C901 | | | CK45FF1H103Z | CERAMIC 0.010UF Z | | |
| | C902 | | | CE04KW1C102M | ELECTRO 1000UF 16WV | | |
| ⚠ | F1 | 1B | | F05-2015-05 | FUSE (T250V/200MA) | | |
| | 84 | 2B | | J13-0055-05 | FUSE CLIP | | |
| ⚠ | L1 | 2B | * | L01-7981-08 | POWER TRANSFORMER | K1K2K3 | |
| ⚠ | L1 | 2B | * | L01-7982-08 | POWER TRANSFORMER | E1E2 | |
| ⚠ | L1 | 2B | * | L01-7984-08 | POWER TRANSFORMER | UMUE | |
| ⚠ | L1 | 2B | * | L01-7987-08 | POWER TRANSFORMER | X | |
| ⚠ | L1 | 2B | * | L01-7988-08 | POWER TRANSFORMER | T1T2 | |
| | D901-904 | | * | 1N4001 | DIODE | | |
| | **DC MOTOR ASS'Y (T42-0341-08)** | | | | | | |
| | C1 | | | CE04KW1V4R7M | ELECTRO 4.7UF 35WV | | |
| | C2 | | | CF92FV1H223J | MF 0.022UF J | | |
| | C3 | | | CF92FV1H472J | MF 4700PF J | | |
| | VR1 ,2 | | | R12-3096-05 | TRIMMING POT. (10K)SPEED | | |
| | IC1 | | * | LA5515 | IC | | |

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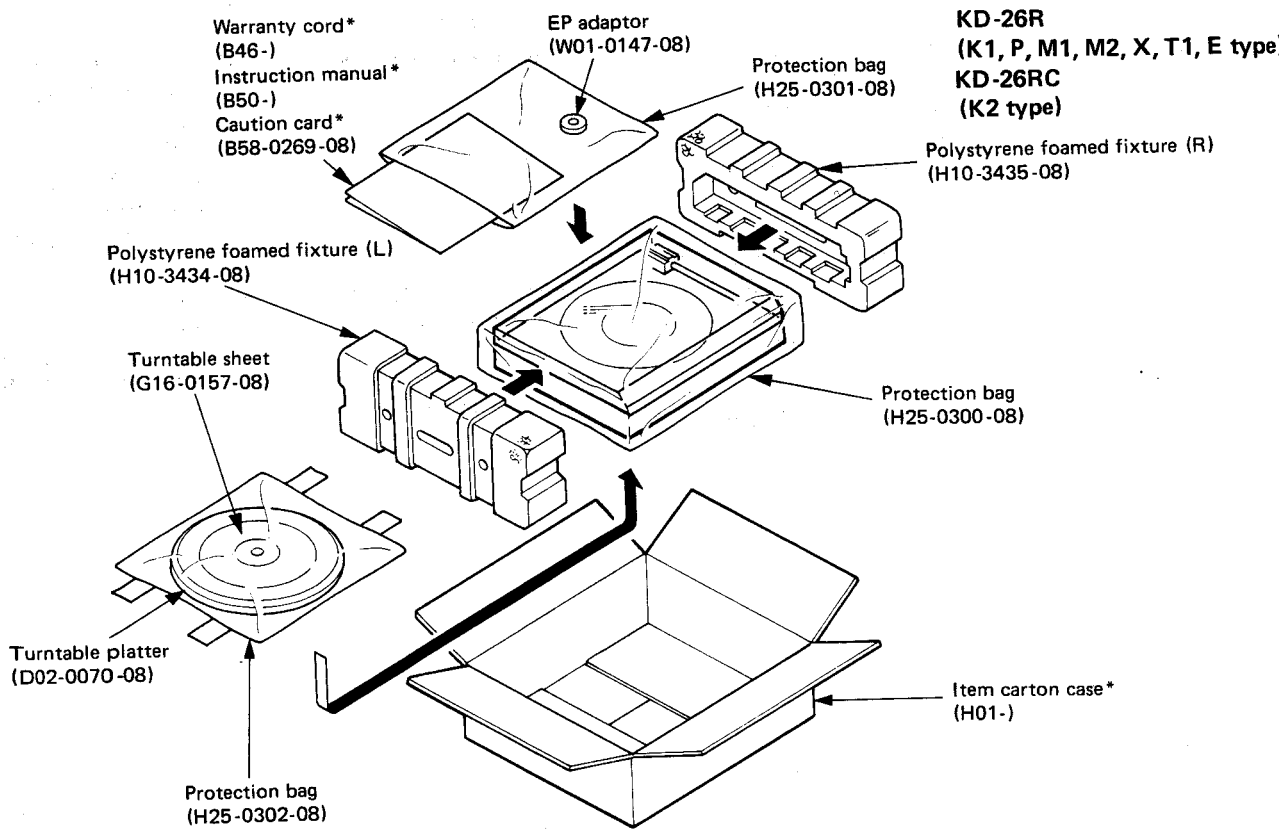
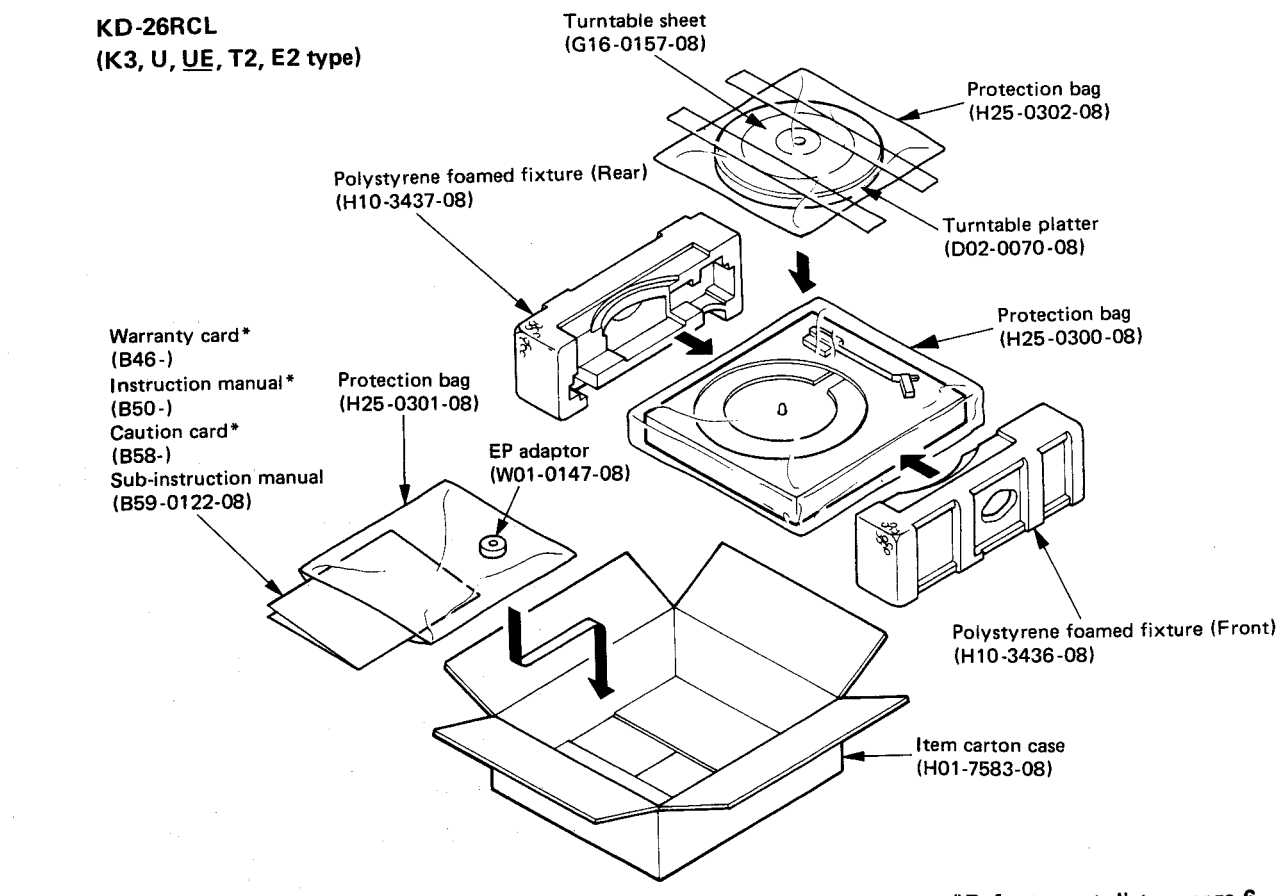
U: PX(Far East, Hawaii) T: England M: Other Areas
UE: AAFES(Europe) X: Australia

**Black : KD-26R : K1, P, M1, X, T1, E1**
**KD-26RC : K2**
**KD-26RCL : K3, U, UE, T2, E2**
**Silver : KD-26R(S) : M2**
⚠ indicates safety critical components.

# PACKING




*Refer to parts list on page 6.

# D-26R

# SPECIFICATIONS

### Motor and turntable

**Drive System**.....Belt-Drive System
**Motor**.....DC Servo Motor
**Turntable Platter**.....29.5 cm (11-5/8")
Diameter
Aluminum alloy die-cast
**Speeds**.....2 Speeds, 33-1/3 and
45 rpm.
**Wow & Flutter**.....Less than 0.05% (WRMS)
Less than 0.09% (DIN)
**S/N (Rumble)**.....DIN: 40 dB (DIN A)
DIN: 70 dB (DIN B)

### Tonearm

**Type**.....Static-Balanced Straight
Tonearm
**Effective Arm Length**.....215 mm (8-7/16")
**Over-Hang**.....16 mm (5/8")
**Tracking Error**.....+3.8° ~ −0.8°
**Usable Cartridge**.....T4P Type
**Compliance**.....$7 \times 10^{-6}$ cm/dyne (V-68)

### Cartridge

**Furnished Cartridge**.....V-68
**Stylus**.....N-68 with 0.6 mil Diamond
**Frequency Response**.....20 Hz to 20,000 Hz
**Output Voltage**.....2.3 mV (1,000 Hz,
5.0 cm/sec.)
**Load Impedance**.....47 k ohms

### Miscellaneous

**Power Requirements**.....AC 120 V, 60 Hz (U.S.A. and Canada Models)
AC 220 V, 50 Hz (European Models)
AC 240 V, 50 Hz (U.K. and Australia Models)
AC 110-120 V/220-240V, 50/60 Hz (Others)
**Power Consumption**.....4 watts
**Dimensions**.....W 420 mm (16-9/16")
H 100 mm (3-15/16")
D 331 mm (13-1/16")
**Weight (Net)**.....3.7 kg (8.1 lb)

**Note :**

We follow a policy of continuous advancements in developments. For this reason specifications may be changed without notice.

**Model name VS Cartridge and Dust cover**

| Parts / Model | Cartridge | Dust cover |
|---|---|---|
| KD-26R K1 type | X | O |
| KD-26R P, M1, X, T1, E1 type | O | O |
| KD-26R(S) M2 type | O | O |
| KD-26RC K2 type | O | O |
| KD-26RCL K3, U, UE, T2, E2 type | O | X |

**Note :**

Component and circuitry are subject to modification to insure best operation under differing local conditions. This manual is based on, the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.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